

PART II	DEPARTMENT OF HUMAN RESOURCES DEVELOPMENT	10.277
	STATE OF HAWAII	10.278
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Minimum Qualification Specifications
for the Classes:

TUNNEL MAINTENANCE TECHNICIAN II, III AND IV
(TUNNEL MAINTENANCE TECH II, III AND IV)

TUNNEL MAINTENANCE TECHNICIAN II 10.277
(TUNNEL MAINTENANCE TECH II)

Prerequisite Knowledge and Abilities Required:

Knowledge of: Practices and methods applicable to the repair and maintenance of machinery and mechanical equipment and electrical systems and equipment, including hazards and safety practices involved in working with and around machinery and mechanical and electrical tools and equipment; and the tools, equipment and materials used in the mechanical and electrical trades.

Ability to: Use, with proficiency, tools and equipment used in mechanical and electrical repair and maintenance; read and interpret equipment manuals, blueprints, diagrams, sketches and other materials; estimate time and materials needed to complete assignments; recognize hazards in the work and take necessary precautions; work effectively alone as well as with other crew members; understand and follow oral and written instructions; and perform heavy lifting, moving and other manual work associated with the particular trade.

TUNNEL MAINTENANCE TECHNICIAN III 10.278
(TUNNEL MAINTENANCE TECH III)

Prerequisite Knowledge and Abilities Required: In addition to the knowledge and abilities required at the lower level:

Knowledge of: Practices and methods applicable to the repair and maintenance of electronic systems and equipment, including hazards and safety practices involved in working with and around electronic tools and equipment; and the tools, equipment and materials used in the electronic trades.

Ability to: Use, with proficiency, tools and equipment used in electronic repair and maintenance.

TUNNEL MAINTENANCE TECHNICIAN IV
(TUNNEL MAINTENANCE TECH IV)

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Prerequisite Knowledge and Abilities Required: In addition to the knowledge and abilities required at the lower level:

Ability to: Schedule, assign, train and supervise the work of a crew in the repair and maintenance of tunnel and related traffic systems and equipment; provide on-the-job training; inspect work in progress as well as completed work for workmanship and compliance with established standards; prioritize work assignments; deal effectively with others to organize, coordinate and expedite the work; understand, give and follow oral and written instructions; and keep records and prepare reports.

Electrical License Requirement:

Applicants for the classes Tunnel Maintenance Technician II, III and IV must possess a current State of Hawaii maintenance (or higher) electrician's license.

Experience Requirements:

Applicants must have had experience of the kind and quality described in the statements below, or any equivalent combination of training and experience.

For the class Tunnel Maintenance Technician II, applicants must possess:

Mechanical Experience: Completion of the Department of Transportation's (DOT's) in-house tunnel maintenance mechanic training program and one (1) year of work experience in inspecting, testing, repairing and maintaining various tunnel machinery and mechanical equipment.

For the class Tunnel Maintenance Technician III, in addition to what is required at the Tunnel Maintenance Technician II level, applicants must possess:

Electronics Experience: Completion of DOT's in-house tunnel electronics training program and one (1) year of work experience participating and assisting in inspecting, testing, repairing and maintaining various tunnel electronic devices and equipment.

For the class Tunnel Maintenance Technician IV, in addition to what is required at the Tunnel Maintenance Technician III level, applicants must possess:

- 1) One (1) year of work experience comparable to the class Tunnel Maintenance Technician III in the State service; AND
- 2) Supervisory Aptitude: Supervisory Aptitude is the demonstration of aptitude or potential for the performance of supervisory duties through successful completion of regular or special assignments which involve some supervisory aspects; by serving as a group or team leader, or in similar work in which opportunities for demonstrating supervisory capabilities exist; by completion of training courses in supervision accompanied by application of supervisory skills in work assignments; or by favorable appraisals by a supervisor indicating the possession of supervisory potential.

License Requirements:

Applicants must possess a valid Type 3 driver's license to drive in the State of Hawaii.

Applicants must also possess a valid Type A Commercial Driver's License; applicants who do not possess this license at the time of appointment must obtain the license during the probationary period.

Substitutions Allowed:

- 1) Three (3) years of progressively responsible work experience in performing mechanical repair and maintenance of a wide variety of mechanical and electrical equipment may be substituted for the Mechanical Experience Requirement.
- 2) Two and one-half (2-1/2) years of progressively responsible work experience in testing, maintaining and repairing a variety of electronic and electromechanical equipment may be substituted for the Electronics Experience.
- 3) One (1) year of fully proficient, independent diagnostic and repair work of a variety of electronic and electromechanical equipment may be substituted for the experience comparable to the Tunnel Maintenance Technician III.

The mechanical and electronics experience may have been gained concurrently provided the experience and/or training was of sufficient scope and quality to competently perform

the journey level skills and duties in each of the trade areas specified.

- 4) Technical training in electronics at an accredited institute or college above the high school level may be substituted for the Electronics Experience Requirement on a year-for-year basis up to a maximum of two (2) years.

Quality of Experience:

Possession of the required number of years of experience will not in itself be accepted as proof of qualification for a position. The applicant's overall experience must have been of such scope and level of responsibility as to conclusively demonstrate that he/she has the ability to perform the duties of the position for which he/she is being considered.

Selective Certification:

Specialized knowledge, skills and abilities may be required to perform the duties of some positions. For such positions, Selective Certification Requirements may be established and certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of the position.

Agencies requesting selective certification must show the connection between the kind of training and/or experience on which they wish to base selective certification and the duties of the position to be filled.

Tests:

Applicants may be required to qualify on an appropriate examination.

Physical and Medical Requirements:

Applicants must be physically able to perform, efficiently and effectively, the essential duties of the position which typically require the ability to read without strain printed material the size of typewritten characters, glasses permitted; the ability to distinguish basic and shades of color; the ability to lift and carry pump housing and equipment covers weighing up to seventy-five (75) pounds; and the ability to hear the conversational voice, with or without a hearing aid, or the ability to compensate satisfactorily. Disabilities in these or other areas will not automatically result in disqualification. Those applicants who demonstrate that they are capable of

performing the essential functions of the position will not be disqualified under this section.

Any condition which would cause applicants to be a hazard to themselves or others is cause for disqualification.

Any disqualification under this section will be made only after a review of all pertinent information including the results of the medical examination, and requires the approval of the Director.

Mental/Emotional Requirements:

All applicants must possess emotional and mental stability appropriate to the job duties and responsibilities and working conditions.

This is an amendment to the minimum qualification specification for the classes TUNNEL MAINTENANCE TECHNICIAN II, III and IV (TUNNEL MAINTENANCE TECH II, III AND IV), which were approved on October 8, 1997.

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MIKE McCARTNEY
Director of Human Resources Development